

What is claimed is:

1. A write once disc having a single record layer, wherein a lead-in area, a data area, and a lead-out area are sequentially positioned, the write once disc comprising:

5 a defect management area that is present in at least one of the lead-in area and the lead-out area;

a temporary defect management area that is present in at least one of the lead-in area and the lead-out area; and

10 a drive & disc information area that is present in at least one of the lead-in area and the lead-out area,

wherein information regarding the locations of temporary defect information and temporary defect management information is recorded in the drive & disc information area,

15 the temporary defect information and temporary defect management information, which includes drive & disc information, are recorded in the temporary defect management area, and

temporary defect information and temporary defect management information, which are lastly recorded in the temporary defect management area, are recorded in the defect management area for disc finalization.

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2. A write once disc having two record layers, wherein a lead-in area, a data area, and a lead-out area are sequentially positioned in a first record layer, and an outer area, a data area, and a lead-out area are sequentially positioned in a second record layer, the write once disc comprising:

25 a defect management area in at least one of the lead-in area, the lead-out area, and the outer area;

a temporary defect management area in at least one of the lead-in area, the lead-out area, and the outer area; and

a drive & disc information area that is present in at least one of the lead-in area,

the lead-out area, and the outer area,

wherein temporary defect information and temporary defect management information, which includes drive & disc information, are recorded in the temporary defect management area,

5 temporary defect information and temporary defect management information, which are lastly recorded in the temporary defect management area, are recorded in the defect management area, for disc finalization, and

information regarding the locations of the temporary defect information and temporary defect management information is recorded in the drive & disc information  
10 area.

3. The write once disc of claim 1 or 2, wherein write protect information is further recorded in the drive & disc information area.

15 4. The write once disc of claim 3, wherein the write protect information is recorded for every recording operation.

5. The write once disc of claim 1 or 2, wherein the drive & disc information comprises at least one of the write protect information and the test location information.

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6. The write once disc of claim 1 or 2, wherein the temporary defect information and the temporary defect management information are recorded in every recording operation.

25 7. The write once disc of claim 1, comprising a plurality of at least one of the defect management area, the temporary defect management area, and the drive & disc information area.

8. The write once disc of claim 1 or 2, comprising a plurality of at least one

of the temporary defect management area and the drive & disc information area more than once in the same area.

5           9.       The write once disc of claim 1 or 2, wherein the temporary defect management area and the drive & disc information area are formed as a single area.

          10.       A method of managing disc defects, comprising:

          (a)       recording information regarding a defect in data, which is recorded in a data area of a disc according to a first recording operation, as first temporary defect information several times in a temporary defect management area of the disc;

          (b)       recording information for managing the first temporary defect information as first temporary defect management information in the temporary defect management area;

          (c)       recording information regarding the locations of the temporary defect information and the temporary defect management information in a drive & disc information area of the disc;

          (d)       repeating (a) through (c) at least once while increasing indexes given to the recording operation, the temporary defect information, and the temporary defect management information; and

          (e)       recording lastly recorded temporary defect information and temporary defect management information in a defect management area of the disc for disc finalization.

          11.       The method of claim 10, further comprising (f) recording write protect information in the drive & disc information area.

          12.       The method of claim 10, wherein during (b), the first temporary defect management information is recorded to include at least one of test location information and the write protect information.

13. The method of claim 10, wherein (a) further comprises:  
(a1) recording data in predetermined units;  
(a2) verifying the recorded data to detect a defective area of the disc in  
5 which a defect exists;  
(a3) storing information that points to the defective area and information that  
points to a replacement area for the defective area as the first temporary defect  
information in a memory;  
(a4) repeating (a1) through (13) at least once; and  
10 (a5) reading the information stored in the memory and recording the read  
information as the first temporary defect information several times in the temporary  
defect management area.

14. A recording and/or reproducing apparatus comprising:  
15 a recording/reading unit that records data on or reads data from a disc; and  
a controller that controls the recording/reading unit to record information  
regarding a defect in data, which is recorded in a data area of the disc, as temporary  
defect information in a temporary defect management area; record management  
information for managing the temporary defect information as temporary defect  
20 management information in the temporary defect management area, the management  
information further including drive & disc information; record information regarding the  
locations of the temporary defect information and the temporary defect management  
information in a drive & disc information area of the disc; and record lastly recorded  
temporary defect information and temporary defect management information in a defect  
25 management area of the disc for disc finalization.

15. The recording and/or reproducing apparatus of claim 14, wherein the  
controller controls the recording/reading unit to further record write protect information in  
the drive & disc information.

16. The recording apparatus of claim 14, wherein the controller controls the recording/reading unit to record the temporary defect information and the temporary defect management information for every recording operation.

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17. The recording and/or reproducing apparatus of claim 14, wherein the controller controls the recording/reading unit to record the temporary defect management information to include test location information and write protect information for every recording operation.